

WHAT IS CLAIMED IS:

1. An information recording medium comprising:
an information track formed spirally or in coaxial circles;
a recordable area for information being prerecorded with a frequency signal and an address signal from an inner circumference of said information track; and
a read only area being recorded with a reproduction signal as a readable pit, wherein there existed a boundary between said recordable area and said read only area.
2. The information recording medium in accordance with claim 1, wherein continuity of a tracking error signal is regulated in an area adjacent to said boundary between said recordable area and said read only area.
3. The information recording medium in accordance with claim 1, wherein a push-pull signal is regulated in an area adjacent to said boundary between said recordable area and said read only area.
4. An information recording medium comprising:
an information track formed spirally or in coaxial circles;
a first read only area recorded with a frequency signal being recorded as a pit being able to read out a reproduction signal; and
a second read only area recorded as a pit being unable to read out a reproduction signal and prerecorded with a frequency signal and an address signal, wherein there existed a boundary

between said recordable area and said read only area.

5. The information recording medium in accordance with claim 4, wherein continuity of a tracking error signal is regulated in an area adjacent to said boundary between said first read only area and said second read only area.

6. The information recording medium in accordance with claim 4, wherein a push-pull signal is regulated in an area adjacent to a boundary between said first read only area and said second read only area.

7. An information recording medium comprising:
an information track formed spirally or in coaxial circles;
a recordable area for information being prerecorded with a frequency signal and an address signal from an inner circumference of said information track;
a first read only area recorded with a frequency signal being recorded as a pit being able to read out a reproduction signal; and
a second read only area recorded as a pit being unable to read out a reproduction signal and prerecorded with a frequency signal and an address signal, wherein there existed a boundary between said recordable area and said first read only area and another boundary between said first read only area and said second read only area.

8. The information recording medium in accordance with claim 7, wherein continuity of a tracking error signal is regulated in an

area adjacent to said boundary between said recordable area and said first read only area and in another area adjacent to said other boundary between said first read only area and said second read only area.

9. The information recording medium in accordance with claim 7, wherein a push-pull signal is regulated in an area adjacent to a boundary between said recordable area and said first read only area and in another area adjacent to a boundary between said first read only area and said second read only area.

10. The information recording medium in accordance with claim 1, wherein said continuity of said tracking error signal is regulated as a ratio of amplitude in the boundary as amplitude in upward and downward directions from a center of amplitude of a tracking error signal in a regular area to amplitude of the tracking error signal in the regular area.

11. The information recording medium in accordance with claim 10, wherein said continuity of said tracking error signal is regulated as $P3 / (P1 + P2) > 0.2$ and $P4 / (P1 + P2) > 0.2$, and wherein the amplitude of the tracking error signal in the regular area is defined as $P1 + P2$, and the amplitude in the upward and the downward directions from the center of the amplitude of the tracking error signal in the regular area are defined as $P3$ and $P4$ respectively.

12. The information recording medium in accordance with claim

3, wherein said push-pull signal is regulated as a ratio of amplitude in the boundary as amplitude in upward and downward directions from a center of amplitude of a tracking error signal in a regular area to amplitude of the tracking error signal in the regular area.

13. The information recording medium in accordance with claim 12, wherein said push-pull signal is regulated as $P3 / (P1 + P2) > 0.2$ and $P4 / (P1 + P2) > 0.2$, and wherein the amplitude of the tracking error signal in the regular area is defined as $P1 + P2$, and the amplitude in the upward and the downward directions from the center of the amplitude of the tracking error signal in the regular area are defined as $P3$ and $P4$ respectively.

14. The information recording medium in accordance with claim 5, wherein said continuity of said tracking error signal is regulated as a ratio of amplitude in the boundary as amplitude in upward and downward directions from a center of amplitude of a tracking error signal in a regular area to amplitude of the tracking error signal in the regular area.

15. The information recording medium in accordance with claim 14, wherein said continuity of said tracking error signal is regulated as $P3 / (P1 + P2) > 0.2$ and $P4 / (P1 + P2) > 0.2$, and wherein the amplitude of the tracking error signal in the regular area is defined as $P1 + P2$, and the amplitude in the upward and the downward directions from the center of the amplitude of the tracking error signal in the regular area are defined as $P3$ and $P4$

respectively.

16. The information recording medium in accordance with claim 6, wherein said push-pull signal is regulated as a ratio of amplitude in the boundary as amplitude in upward and downward directions from a center of amplitude of a tracking error signal in a regular area to amplitude of the tracking error signal in the regular area.

17. The information recording medium in accordance with claim 16, wherein said push-pull signal is regulated as $P3 / (P1 + P2) > 0.2$ and $P4 / (P1 + P2) > 0.2$, and wherein the amplitude of the tracking error signal in the regular area is defined as $P1 + P2$, and the amplitude in the upward and the downward directions from the center of the amplitude of the tracking error signal in the regular area are defined as $P3$ and $P4$ respectively.

18. The information recording medium in accordance with claim 8, wherein said continuity of said tracking error signal is regulated as a ratio of amplitude in the boundary as amplitude in upward and downward directions from a center of amplitude of a tracking error signal in a regular area to amplitude of the tracking error signal in the regular area.

19. The information recording medium in accordance with claim 18, wherein said continuity of said tracking error signal is regulated as $P3 / (P1 + P2) > 0.2$ and $P4 / (P1 + P2) > 0.2$, and wherein the amplitude of the tracking error signal in the regular

area is defined as $P1 + P2$, and the amplitude in the upward and the downward directions from the center of the amplitude of the tracking error signal in the regular area are defined as $P3$ and $P4$ respectively.

20. The information recording medium in accordance with claim 9, wherein said push-pull signal is regulated as a ratio of amplitude in the boundary as amplitude in upward and downward directions from a center of amplitude of a tracking error signal in a regular area to amplitude of the tracking error signal in the regular area.

21. The information recording medium in accordance with claim 20, wherein said push-pull signal is regulated as $P3 / (P1 + P2) > 0.2$ and $P4 / (P1 + P2) > 0.2$, and wherein the amplitude of the tracking error signal in the regular area is defined as $P1 + P2$, and the amplitude in the upward and the downward directions from the center of the amplitude of the tracking error signal in the regular area are defined as $P3$ and $P4$ respectively.

22. A recording method of an information recording medium, which comprises an information track formed spirally or in coaxial circles, a recordable area for information being prerecorded with a frequency signal and an address signal from an inner circumference of said information track, and a read only area being recorded with a reproduction signal as a readable pit, wherein there existed a boundary between said recordable area and said read only area, said recording method comprising steps

of:

identifying the information recording medium by reproducing an identification information out of information recorded on the information recording medium;

judging said boundary being identified in said step of identifying by using an address information; and

recording in a vicinity of said boundary for performing a recording process by altering a control method of tracking.

23. A recording method of an information recording medium, which comprises an information track formed spirally or in coaxial circles, a first read only area recorded with a frequency signal being recorded as a pit being able to read out a reproduction signal, and a second read only area recorded as a pit being unable to read out a reproduction signal and prerecorded with a frequency signal and an address signal, wherein there existed a boundary between said said first read only area and said second read only area, said recording method comprising steps of:

identifying the information recording medium by reproducing an identification information out of information recorded on the information recording medium;

judging said boundary being identified in said step of identifying by using an address information; and

recording in a vicinity of said boundary for performing a recording process by altering a control method of tracking.

24. A recording method of an information recording medium, which comprises an information track formed spirally or in coaxial

circles, a recordable area for information being prerecorded with a frequency signal and an address signal from an inner circumference of said information track, a first read only area recorded with a frequency signal being recorded as a pit being able to read out a reproduction signal, and a second read only area recorded as a pit being unable to read out a reproduction signal and prerecorded with a frequency signal and an address signal, wherein there existed a boundary between said recordable area and said first read only area and another boundary between said first read only area and said second read only area, said recording method comprising steps of:

identifying the information recording medium by reproducing an identification information out of information recorded on the information recording medium;

judging said boundary being identified in said step of identifying by using an address information; and

recording in a vicinity of said boundary for performing a recording process by altering a control method of tracking.

25. A reproducing method of an information recording medium, which comprises an information track formed spirally or in coaxial circles, a recordable area for information being prerecorded with a frequency signal and an address signal from an inner circumference of said information track and a read only area being recorded with a reproduction signal as a readable pit, wherein there existed a boundary between said recordable area and said read only area, said reproducing method comprising steps of:

identifying the information recording medium by

reproducing an identification information out of information recorded on the information recording medium;

judging said boundary being identified in said step of identifying by using an address information; and

reproducing said boundary for performing a reproducing process by altering a control method of reproducing.

26. A reproducing method of an information recording medium, which comprises an information track formed spirally or in coaxial circles, a first read only area recorded with a frequency signal being recorded as a pit being able to read out a reproduction signal, and a second read only area recorded as a pit being unable to read out a reproduction signal and prerecorded with a frequency signal and an address signal, wherein there existed a boundary between said first read only area and said second read only area, said reproducing method comprising steps of:

identifying the information recording medium by reproducing an identification information out of information recorded on the information recording medium;

judging said boundary being identified in said step of identifying by using an address information; and

reproducing said boundary for performing a reproducing process by altering a control method of reproducing.

27. A reproducing method of an information recording medium, which comprises an information track formed spirally or in coaxial circles, a recordable area for information being prerecorded with a frequency signal and an address signal from an inner

circumference of said information track, a first read only area recorded with a frequency signal being recorded as a pit being able to read out a reproduction signal, and a second read only area recorded as a pit being unable to read out a reproduction signal and prerecorded with a frequency signal and an address signal, wherein there existed a boundary between said recordable area and said first read only area and another boundary between said first read only area and said second read only area, said reproducing method comprising steps of:

identifying the information recording medium by reproducing an identification information out of information recorded on the information recording medium;

judging said boundary being identified in said step of identifying by using an address information; and

reproducing said boundary for performing a reproducing process by altering a control method of reproducing.

28. The reproducing method of an information recording medium in accordance with claim 25, wherein said steps further comprises a step of skipping a reproduction signal recorded in a vicinity of said boundary.

29. The reproducing method of an information recording medium in accordance with claim 26, wherein said steps further comprises a step of skipping a reproduction signal recorded in a vicinity of said boundary.

30. The reproducing method of an information recording medium

in accordance with claim 27, wherein said steps further comprises a step of skipping a reproduction signal recorded in a vicinity of said boundary.

claim 27, wherein said steps further comprises a step of skipping a reproduction signal recorded in a vicinity of said boundary.